



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/530,937	05/05/2000	ALEKSANDR FYEDOROVICH LUKIN	VISP-2	6347

7590 05/29/2003

J HAROLD NISSEN  
LACHENBACK SIEGEL MARZULLO ARONSON & GREENSPAN  
ONE CHASE ROAD  
PENTHOUSE SUITE  
SCARSDALE, NY 10583

EXAMINER

ENG, GEORGE

ART UNIT	PAPER NUMBER
----------	--------------

2643

DATE MAILED: 05/29/2003

19

Please find below and/or attached an Office communication concerning this application or proceeding.

10

# Office Action Summary

Application No.

09/530,937

Applicant(s)

LUKIN, ALEKSANDR  
FYEDOROVICH

Examiner

George Eng

Art Unit

2643

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 03 March 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Response to Amendment*

1. This Office action is in response to amendment filed 11/20/2002 (paper no. 17).

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Riemann et al. (EP 0829995 hereinafter Riemann) in view of the prior art admitted by applicant (RU PAT. 2,105,425 hereinafter Skigin).

Regarding claim 1, Riemann discloses a telephone network for a structured site as shown in figure 1 comprising a local computer network connecting computer at the transmitting and receiving ends of the telephone network for a structural site and telephone sets connected to the telephone network to provide telephone communication between the parties at the transmitting and receiving ends through the local computer network (col. 4 line 45 through col. 6 line 27), wherein it is provided with a computer telephony server (12) connected to the local network and to a general telephone network, wherein each telephone set is provided with an interface (42), each telephone set interface being connected directly to the local computer network and being

Art Unit: 2643

able to convert analog and digital signals, user call signals into addresses of other interface and hang up signals (col. 9 line 5 through col. 10 line 23). Although Riemann teaches to convert analog/digital signals (col. 10 line 27 through col. 13 line 18), Riemann does not specifically disclose to convert analog signal to and from digital signal adapted to the clock frequency of the local computer network. However, it is notoriously well known in the art of an interface designed as an analog-digital signal converter adapted to the clock frequency of the local network in order to allow the same channels to be used to transmit computer data and to maintain voice communication, for example see Skigin (specification, page 8 liens 5-11). Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Riemann in having the interface in converting analog-digital signals adapted to the clock frequency of the local network, as per teaching of Skigin, because it makes the communication process simpler and cutting its costs.

Regarding claim 2, Riemann teaches computer (12) connected to the telephone network being provided with multimedia software, i.e., application, to allow direct voice telephone communication (col. 5 line 32 and col. 6 line 27).

Regarding claim 3, Riemann discloses the telephone interface to allow exchange of digital data to be effected within the framework of common network protocol (col. 12 lines 20-40). Riemann differs from the claimed invention in not specifically teaching a particular combination of elements including a signal-distributor, a tone dialing recognition device, a recognized number transmission device, a compressor, a voice and tone signal transmission priority device, a voice signal transmitter, and a decompressor in the telephone adapter. However, Skigin discloses the telephone adapter comprising a transmitting and receiving ends,

Art Unit: 2643

wherein the transmitting ends has a signal detector-distributor with an input connected to a telephone set, a first output of said signal detector-distributor being connected to the input of a tone dialing recognition device having its output connected to the input of a recognized number transmission device, which has its output connected to the local computer network, a second output of the signal detector-distributor being connected to the input of an analog-to-digital converter having its output connected the input of a compressor whose output is connected to a processor unit and the reception channel having a voice and tone signal transmission priority device having its output connected to the telephone set and a first input connected to the output of a call signal dialer, whose input is connected to a call number data converter having its input connected to the local computer network through the network adapter, a second input of the voice and tone signal transmission priority device being connected to the output of a voice signal transmitter, whose input is connected to the output of a decompressor having its input connected to the processor unit (specification, page 3 line 30 through page 4 line 22). Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Riemann in having the telephone adapter with a structure as taught by Skigin because it provides new opportunities for signal transmission and reception using general-purpose equipment.

Regarding claim 4, Riemann discloses that the processor unit (12) comprising a central processor connected to digital data input-output device, and to a stored program memory and a random access memory to allow exchange of digital data to be effected within the framework of common network protocol (col. 9 lines 51-55 and col. 15 line 55 through col. 16 line 10).

Art Unit: 2643

Regarding claim 5, the limitations of the claim are rejected as the same reasons as set forth in claim 1. In addition, Riemann also discloses to maintain telephone communication between remote structure sites with the structure site such that the local computer network of each remote site is being provided with a router connected thereto and to a router of the local computer network of at least one other site through communication channel of the computer networks of the remote structure sites (col. 6 line 31 through col. 7 line 54).

Regarding claim 6, the limitations of the claim are rejected as the same reasons as set forth in claim 2.

Regarding claim 7, the limitations of the claim are rejected as the same reasons as set forth in claim 3.

Regarding claim 8, the limitations of the claim are rejected as the same reasons as set forth in claim 4.

Regarding claim 9, the limitations of the claim are rejected as the same reasons set forth in claim 1.

Regarding claim 10, the limitations of the claim are rejected as the same reasons set forth in claim 3.

Regarding claim 11, the limitations of the claim are rejected as the same reasons set forth in claim 4.

Regarding claim 12, the limitations of the claim are rejected as the same reasons set forth in claim 2.

Art Unit: 2643

***Response to Arguments***

4. Applicant's arguments with respect to claims 1-12 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Itoi (US PAT. 6,456,625) discloses a LAN telephone switching apparatus for constructing a LAN telephone switching system on a computer network (abstract). Shaffer et al. (GB 2,343,584) discloses a communication system and interface for interfacing a proprietary digital telephone to a local area network (abstract).

6. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

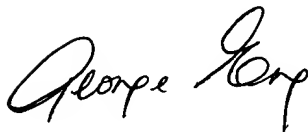
Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Eng whose telephone number is (703) 308-9555. The examiner can normally be reached on Tuesday to Friday from 7 AM to 5:30 PM.

Art Unit: 2643

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Curtis Kuntz, can be reached on (703) 305-4708.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

A handwritten signature in cursive script, appearing to read "George Eng".

GEORGE ENG

May 28, 2003